

GenCore version 5.1.4.p5\_4578  
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OM protein - protein search, using sw model

Run on: May 11, 2003, 02:11:38 ; Search time 39 Seconds  
(without alignments)  
254.840 Million cell updates/sec

Title: US-09-914-324A-1

Perfect score: 616  
Sequence: 1 MAAMADYDTPSGTNSGAGKK.....KTRQVCPIDNREWEFOKYGH 108

Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 349150 segs, 92025710 residues

Total number of hits satisfying chosen parameters: 349150

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published\_Applications\_AA:\*

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11: /cgn2\_6/ptodata/2/pubpaa/US10\_NEW\_PUB.pep:\*  
12: /cgn2\_6/ptodata/2/pubpaa/US10\_PUBCOMB.pep:\*  
13: /cgn2\_6/ptodata/2/pubpaa/US60\_NEW\_PUB.pep:\*  
14: /cgn2\_6/ptodata/2/pubpaa/US60\_PUBCOMB.pep:\*

Pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	616	100.0	108	US-09-826-312-6	Sequence 6, Appl
2	292	47.4	118	US-09-764-864-826	Sequence 826, App
3	292	47.4	131	US-09-764-864-1285	Sequence 1285, Ap
4	287	46.6	113	US-09-826-312-8	Sequence 8, Appl
5	213	34.6	88	US-10-102-806-620	Sequence 620, App
6	213	34.6	105	US-09-764-864-1274	Sequence 1274, Ap
7	210	34.1	124	US-09-764-864-1284	Sequence 1284, Ap
8	202	32.8	84	US-09-826-312-5	Sequence 5, Appl
9	185.5	30.1	121	US-09-764-891-4639	Sequence 4639, Ap
10	185.5	30.1	121	US-09-764-864-839	Sequence 839, App
11	185.5	30.1	121	US-09-764-864-1294	Sequence 1294, Ap
12	87	14.1	201	US-09-764-864-836	Sequence 836, App
13	86	14.0	126	US-10-043-487-410	Sequence 410, App
14	86	14.0	199	US-09-764-864-1291	Sequence 1291, Ap
15	85	13.8	664	US-10-176-847-40	Sequence 40, Appl
16	85	13.8	664	US-09-898-533-2	Sequence 2, Appl
17	83	13.5	104	US-10-219-220-49	Sequence 49, Appl
18	83	13.5	206	US-10-219-220-250	Sequence 250, App
19	83	13.5	337	US-09-828-303-18	Sequence 18, Appl

20	83	13.5	685	10	US-09-745-763-11	Sequence 11, Appl
21	82	13.3	250	9	US-10-219-220-249	Sequence 249, App
22	82	13.3	299	9	US-10-219-220-251	Sequence 251, App
23	80	13.0	180	10	US-09-840-787-48	Sequence 48, Appl
24	79.5	12.9	400	10	US-09-935-380A-20	Sequence 20, Appl
25	79	12.8	259	9	US-09-798-889-127	Sequence 127, App
26	79	12.8	296	10	US-09-925-300-1231	Sequence 1231, Ap
27	79	12.8	381	9	US-09-798-889-65	Sequence 65, Appl
28	76.5	12.4	165	10	US-09-764-864-1306	Sequence 1306, Ap
29	76.5	12.4	225	10	US-09-764-864-850	Sequence 850, App
30	76.5	12.4	317	9	US-10-013-477-15	Sequence 15, Appl
31	76	12.3	1302	12	US-10-000-864-2	Sequence 2, Appl
32	76	12.3	1493	10	US-09-858-754-3	Sequence 3, Appl
33	76	12.3	1493	10	US-09-858-754-4	Sequence 4, Appl
34	76	12.3	1493	12	US-10-000-864-8	Sequence 8, Appl
35	75.5	12.3	147	10	US-09-764-864-1272	Sequence 1272, Ap
36	75	12.2	124	10	US-09-764-864-803	Sequence 803, App
37	75	12.2	124	10	US-09-764-864-1264	Sequence 1264, Ap
38	74.5	12.1	322	10	US-09-983-531A-10	Sequence 10, Appl
39	74.5	12.1	825	9	US-10-121-988-161	Sequence 161, App
40	74.5	12.1	825	9	US-10-121-988-47	Sequence 47, Appl
41	74.5	12.1	826	10	US-09-894-998-47	Sequence 47, Appl
42	72.5	11.8	276	10	US-09-935-380A-35	Sequence 35, Appl
43	72	11.7	123	10	US-09-925-300-1271	Sequence 1271, Ap
44	71	11.5	82	10	US-09-764-864-1283	Sequence 1283, Ap
45	71	11.5	199	9	US-10-219-220-46	Sequence 46, Appl

## ALIGNMENTS

RESULT 1  
US-09-826-312-6  
Sequence 6, Application US/09826312  
Patent No. US20020042083A1  
GENERAL INFORMATION:  
APPLICANT: Issakani, Sarkiz D.  
APPLICANT: Huang, Jianing  
APPLICANT: Sheung, Julie  
APPLICANT: Pray, Todd R.  
TITLE OF INVENTION: UBIQUITIN LIGASE ASSAY  
FILE REFERENCE: A-68613-1/RMS/JJD  
CURRENT APPLICATION NUMBER: US/09/826, 312  
CURRENT FILING DATE: 2001-04-03  
PRIORITY APPLICATION NUMBER: US 09/542, 497  
PRIORITY FILING DATE: 2000-04-03  
NUMBER OF SEQ ID NOS: 17  
SOFTWARE: PatentIn version 3.1  
SEQ ID NO 6  
LENGTH: 108  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-09-826-312-6  
Query Match 100.0%; Score 616; DB 10; Length 108;  
Best Local Similarity 100.0%; Pred. No. 1.6e-60;  
Matches 108; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 1 MAAMADYDTPSGTNSGAGKKREVEKKWNAVALMAMDIYVNDNCATCRNHIIMDLCEQANO 60  
DB 1 MAAMADYDTPSGTNSGAGKKREVEKKWNAVALMAMDIYVNDNCATCRNHIIMDLCEQANO 60  
QY 61 ASATSECTVAMGVCHAHFHCHISWLTROVCPIDNREWEFOKYGH 108  
DB 61 ASATSECTVAMGVCHAHFHCHISWLTROVCPIDNREWEFOKYGH 108  
RESULT 2  
US-09-764-864-826  
Sequence 826, Application US/09764864  
Patent No. US20020137753A1  
GENERAL INFORMATION:  
APPLICANT: Rosen et al.

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? TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
? FILE REFERENCE: PT23
? CURRENT APPLICATION NUMBER: US/09/764,864
? CURRENT FILING DATE: 2001-01-17
? Prior application data removed - consult PALM or file wrapper
? NUMBER OF SEQ ID NOS: 1792
? SOFTWARE: PatentIn Ver. 2.0
? SEQ ID NO 826
? LENGTH: 118
? TYPE: PRT
? ORGANISM: Homo sapiens
? US-03-764-864-826

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	Query Match	Score 292;	DB 10;	length 118;
	Best Local Similarity	50.5%;	Pred. No.7,6e-25;	
	Matches	Conservative	14;	Mismatches 30; Indels 4; Gaps 2
Qy	11	SGTNSGACKKREYVKMNAVALMADVIDVNDCAICNHHIMDLCIECQAONASATSECTV	70	
Dd	25	SSGRKG-GDKMTSLKKNNANVAHMSMDVEDCDTAICRYVMACLRGAEN---KQDCVV	80	
Qy	71	AWGVNCFAHFHCISRWLKTROYCPDLNREFEFOKYG	107	
Dd	81	VWGECHSFHNCCSMIWKQNRRCEPLCGDDIVDYVRIG	117	

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RESULT 3
US-09-764-864-1285
: Sequence 1285, Application US/09764864
: Patent No. US20020132753A1
: GENERAL INFORMATION:
: APPLICANT: Rosen et al.
: TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
: FILE REFERENCE: PT223
: CURRENT APPLICATION NUMBER: US/09/764,864
: CURRENT FILING DATE: 2001-01-17
: Prior application data removed - consult PALM or file wrapper
: NUMBER OF SEQ ID NOS: 1792
: SOFTWARE: PatentIn Ver. 2.0
: SEQ ID NO 1285
: LENGTH: 131
: TYPE: PRT
: ORGANISM: Homo sapiens
: FEATURE:
: NAME/KEY: SITE
: LOCATION: (11)
: OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
: US-09-764-864-1285

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[illegible]

RESULT 4  
 US-92-826-312-8  
 Sequence 8, Application US/09826312  
 Patent No. US20020042083A1  
 GENERAL INFORMATION  
 APPLICANT: Issakani, Sarfiz D.  
 APPLICANT: Huang, Jiansheng  
 APPLICANT: Pray, Todd R.  
 TITLE OF INVENTION: UBQUITIN LIGASE ASSAY  
 FILE REFERENCE: A-68613-1/RMS/JJD

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: CURRENT APPLICATION NUMBER: US/09/826.312
: CURRENT FILING DATE: 2001-04-03
: PRIOR APPLICATION NUMBER: US 09/542,497
: PRIOR FILING DATE: 2000-04-03
: NUMBER OF SEQ ID NOS: 17
: SOFTWARE: PatentIn version 3.1
: SEQ ID NO: 8
: LENGTH: 113
: TYPE: prt
: ORGANISM: Homo sapiens
: US-09-826-312-8

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[illegible]

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: RESULT 5
: US-10-102-806-620
: Sequence 620, Application US/10102806
: Publication No. US20030054421A1
: GENERAL INFORMATION:
: APPLICANT: Rosen et al..
: TITLE OF INVENTION: Nucleic Acids, Proteins and Antibodies
: FILE REFERENCE: PA103P1C1
: CURRENT APPLICATION NUMBER: US/10/102,806
: PRIOR FILING DATE: 2002-03-22
: PRIOR APPLICATION NUMBER: 09/925,298
: PRIOR FILING DATE: 2001-08-10
: PRIOR APPLICATION NUMBER: PCT/US00/05881
: PRIOR FILING DATE: 2000-03-08
: PRIOR APPLICATION NUMBER: 60/124,270
: PRIOR FILING DATE: 1999-03-12
: NUMBER OF SEQ ID NOS: 846
: SOFTWARE: PatentIn Ver. 2.0
: SEQ ID NO 620
: LENGTH: 88
: TYPE: PRT
: ORGANISM: Homo sapiens
: US-10-102-806-620

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	Query March	34.6%;	Score 213;	DB 9;	Length 88;	
	Best Local Similarity	36.6%;	Pred. NO. 2.7e-16;			
	Matches 34;	Conservative 18;	Mismatches 33;	Indels 8;	Gaps 2;	
OY	16 GAGKKRFEEKMNNAVALAMDIIVDNCALICRHHIMDLIECQANQASATSECTVAMGVC	75				
	: : :           :           :   :   :       :					
Dd	1 GSAAMKVATIKCMGVATLWLVANDENCICIRAEFNGCCPDCX-----VPGDGCLPLWGQC	55				
OY	76 NHAFFHCISRMILKTROY---CPLDNRMEFEOK	105				
	:               :     :     :     :     :     :					
Dd	56 SHCFMHCIILKWLAHQVOQHCPMKQRQEMKEE	88				

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: RESULT 6
: US-09-764-864-1274
: Sequence 1274, Application US/09764864
: Patent No. US20020132753A1
: GENERAL INFORMATION:
: APPLICANT: Rosen et al.
: TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
: FILE REFERENCE: P123
: CURRENT APPLICATION NUMBER: US/09/764,864
: CURRENT FILING DATE: 2001-01-17
: Prior application data removed - consult PALM or file wrapper

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RESULT 10  
US-09-764-864-839  
; Sequence 839, Application US/09764864  
; Patent No. US20020132753A1  
; GENERAL INFORMATION:  
; APPLICANT: Rosen et al.  
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies  
; FILE REFERENCE: PT223  
; CURRENT APPLICATION NUMBER: US/09/764,864  
; CURRENT FILING DATE: 2001-01-17  
; Prior application data removed - consult PALM or file wrapper  
; NUMBER OF SEQ ID NOS: 1792  
; SOFTWARE: Patentln Ver. 2.0  
; SEQ ID NO 839  
; LENGTH: 121  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: SITE  
; LOCATION: (48)  
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids  
; NAME/KEY: SITE  
; LOCATION: (101)  
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids  
; NAME/KEY: SITE  
; LOCATION: (106)  
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids  
US-09-764-864-1294  
Query Match 30.1%; Score 185.5; DB 10; Length 121;  
Best Local Similarity 33.3%; Pred. No. 4.1e-13;  
Matches 33; Conservative 15; Mismatches 34; Indels 17; Gaps 3;  
QY 10 PSQTS-----GAGKKREYKKNVAVALMAMDIYVDCALCRNIMDLCEQANQ 60  
DB 18 PAGASAGGTORRAAGSAAAMKVKIKCNVGYTWLWVANDEMGICRMAFNCCCPDK--- 74  
QY 61 ASATSECTVAMGVCNNAHFHCISRMLKTROV---CPL 96  
DB 75 --VPGDDCPLVWGQCSHCFFHMKILKWLXGOVYXHCPM 111  
US-09-764-864-1294  
RESULT 11  
US-09-764-864-1294  
; Sequence 1294, Application US/09764864  
; Patent No. US20020132753A1  
; GENERAL INFORMATION:  
; APPLICANT: Rosen et al.  
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies  
; FILE REFERENCE: PT223  
; CURRENT APPLICATION NUMBER: US/09/764,864  
; CURRENT FILING DATE: 2001-01-17  
; Prior application data removed - consult PALM or file wrapper  
; NUMBER OF SEQ ID NOS: 1792  
; SOFTWARE: Patentln Ver. 2.0  
; SEQ ID NO 1294  
; LENGTH: 121  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: SITE  
; LOCATION: (48)  
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids  
; NAME/KEY: SITE  
; LOCATION: (101)  
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids  
; NAME/KEY: SITE  
; LOCATION: (106)  
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids  
US-09-764-864-1294  
Query Match 30.1%; Score 185.5; DB 10; Length 121;

Best Local Similarity 33.3%; Pred. No. 4.1e-13;  
Matches 33; Conservative 15; Mismatches 34; Indels 17; Gaps 3;  
QY 10 PSQTS-----GAGKKREYKKNVAVALMAMDIYVDCALCRNIMDLCEQANQ 60  
DB 18 PAGASAGGTORRAAGSAAAMKVKIKCNVGYTWLWVANDEMGICRMAFNCCCPDK--- 74  
QY 61 ASATSECTVAMGVCNNAHFHCISRMLKTROV---CPL 96  
DB 75 --VPGDDCPLVWGQCSHCFFHMKILKWLXGOVYXHCPM 111  
US-09-764-864-836  
RESULT 12  
US-09-764-864-836  
; Sequence 836, Application US/09764864  
; Patent No. US20020132753A1  
; GENERAL INFORMATION:  
; APPLICANT: Rosen et al.  
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies  
; FILE REFERENCE: PT223  
; CURRENT APPLICATION NUMBER: US/09/764,864  
; CURRENT FILING DATE: 2001-01-17  
; Prior application data removed - consult PALM or file wrapper  
; NUMBER OF SEQ ID NOS: 1792  
; SOFTWARE: Patentln Ver. 2.0  
; SEQ ID NO 836  
; LENGTH: 201  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-09-764-864-836  
Query Match 14.1%; Score 87; DB 10; Length 201;  
Best Local Similarity 48.0%; Pred. No. 0.048;  
Matches 12; Conservative 3; Mismatches 10; Indels 0; Gaps 0;  
QY 75 CNHAFHCISRMLKTROVCLDNR 99  
DB 165 CSHEYHVCIDRWLSENSTCPCIR 189  
US-10-043-487-410  
RESULT 13  
US-10-043-487-410  
; Sequence 410, Application US/10043487  
; Publication No. US20030055220A1  
; GENERAL INFORMATION:  
; APPLICANT: HYBRIGENICS  
; APPLICANT: Pierre, LEGRAIN  
; TITLE OF INVENTION: Protein-protein interactions between Shigella flexneri polypep  
; FILE REFERENCE: B4778A  
; CURRENT APPLICATION NUMBER: US/10/043,487  
; CURRENT FILING DATE: 2002-04-30  
; PRIOR APPLICATION NUMBER: US 60/261,130  
; PRIOR FILING DATE: 2001-01-12  
; NUMBER OF SEQ ID NOS: 561  
; SOFTWARE: Patentln version 3.1  
; SEQ ID NO 410  
; LENGTH: 126  
; TYPE: PRT  
; ORGANISM: Shigella flexneri  
US-10-043-487-410  
Query Match 14.0%; Score 86; DB 9; Length 126;  
Best Local Similarity 30.2%; Pred. No. 0.037;  
Matches 19; Conservative 11; Mismatches 23; Indels 10; Gaps 2;  
QY 43 AICRNHIMDLCEQANQASATSECTVAMGVCNNAHFHCISRMLKTROVCLDNR 102  
DB 66 AVSRNPCTCLCE-ERRHPATP-----CGHLFCWECTVAMGSSKACPCRCRFP 115  
QY 103 FOK 105  
DB 116 POK 118

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RESULT 14
US-09-764-864-1291
: Sequence 1291, Application US/09764864
: Patent No. US20020132753A1
: GENERAL INFORMATION:
: APPLICANT: Rosen et al.
: TITLE OF INVENTION: Nucleic Acids, proteins, and Antibodies
: FILE REFERENCE: PR223
: CURRENT APPLICATION NUMBER: US/09/764,864
: CURRENT FILING DATE: 2001-01-17
: Prior application data removed - consult PAM or file wrapper
: NUMBER OF SEQ ID NOS: 1792
: SOFTWARE: PatentIn Ver. 2.0
: SEQ ID NO 1291
: LENGTH: 199
: TYPE: PRT
: ORGANISM: Homo sapiens
: FEATURE:
: NAME/KEY: SITE
: LOCATION: (187)
: OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
US-09-764-864-1291

Query Match          14.0%; Score 86; DB 10; Length 199;
Best Local Similarity 41.2%; Pred. No. 0.061;
Matches 14; Conservative 3; Mismatches 9; Indels 8; Gaps 1;

QY      75 CNAHFHFCISRWLKTRQVCP-----DNRE 100
       1 : : | | | | | | | | | |
Db      163 CSHEYHVHCIDRWLSENSTCPCICRXAVLAAGNRE 196
              |||

RESULT 15
US-10-176-847-40
: Sequence 40, Application US/10176847
: Publication No. US20030068636A1
: GENERAL INFORMATION:
: APPLICANT: Velby, Petter Ole
: TITLE OF INVENTION: COMPOSITIONS, KITS, AND METHODS FOR
: TITLE OF INVENTION: IDENTIFICATION, ASSESSMENT, PREVENTION, AND THERAPY OF BREAST
: FILE REFERENCE: MRI-039
: CURRENT APPLICATION NUMBER: US/10/176,847
: CURRENT FILING DATE: 2002-06-21
: NUMBER OF SEQ ID NOS: 112
: SOFTWARE: FastSeq for Windows Version 4.0
: SEQ ID NO 40
: LENGTH: 664
: TYPE: PRT
: ORGANISM: Homo sapiens
: US-10-176-847-40

Query Match          13.8%; Score 85; DB 9; Length 664;
Best Local Similarity 28.6%; Pred. No. 0.28;
Matches 24; Conservative 10; Mismatches 22; Indels 28; Gaps 4;

QY      20 KRFEYKKWNAVALMAMD-----VVDNCATCRNHIMDLCTECQANASATSECTIVAW 72
       . : | | | | | : : | | | | | | | | | |
Db      522 RRTAVKTKINSIP---ETIKGSRLQEIINDVCAICYHEF-----TTSARIT--- 561
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Job time : 41 secs

